

**BEGA****24 402**

Ceiling mounted downlight



Project · Reference number

Date

## Product data sheet

### Application

Compact LED downlight with symmetrical narrow beam light distribution.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Clear safety glass  
 Silicone gasket  
 Reflector surface made of pure aluminium  
 Optical silicone lens · BEGA Hybrid Optics®  
 2 mounting holes  $\varnothing$  4.3 mm  
 Distance apart 123 mm  
 2 cable entries for through-wiring of mains supply cable  $\varnothing$  7-12 mm, max. 5x2,5<sup>□</sup>  
 Connection terminal 2.5<sup>□</sup>  
 Earth conductor connection  
 LED power supply unit  
 220-240 V  $\sim$  0/50-60 Hz  
 DC 176-276 V  
 DALI controllable  
 A basic isolation exists between power cable and control line  
 BEGA Thermal Control®  
 Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire  
 Safety class I  
 Protection class IP 65  
 Dust-tight and protection against water jets  
 Impact strength IK08  
 Protection against mechanical impacts < 5 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 1.7 kg

### Lamp

Module connected wattage 11.5 W  
 Luminaire connected wattage 13.2 W  
 Rated temperature  $t_a = 25\text{ °C}$   
 Ambient temperature  $t_{a\text{ max}} = 55\text{ °C}$

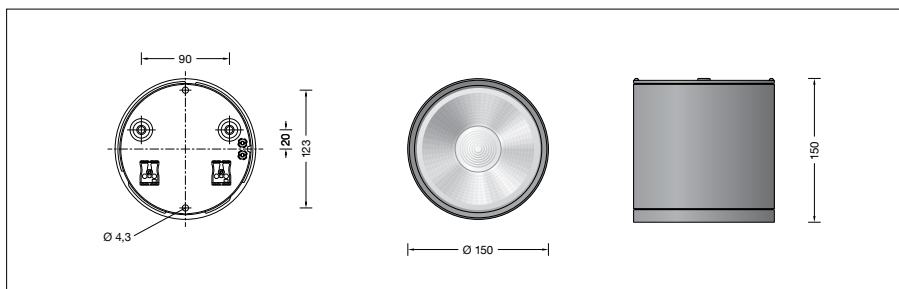
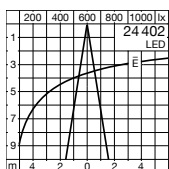
### 24 402 K3

Module designation LED-0800/830  
 Colour temperature 3000 K  
 Colour rendering index CRI > 80  
 Module luminous flux 2025 lm  
 Luminaire luminous flux 1557 lm  
 Luminaire luminous efficiency 118 lm/W

### 24 402 K4

Module designation LED-0800/840  
 Colour temperature 4000 K  
 Colour rendering index CRI > 80  
 Module luminous flux 2080 lm  
 Luminaire luminous flux 1599 lm  
 Luminaire luminous efficiency 121,1 lm/W

### Light distribution



### Service life · Ambient temperature

Rated temperature  $t_a = 25\text{ °C}$   
 LED psu: > 50,000 h  
 LED module: > 200,000 h (L80 B50)

Ambient temperature  $t_{a\text{ max}} = 55\text{ °C}$  (100 %)  
 LED psu: 50,000 h  
 LED module: 130,000 h (L80 B50)

### Lighting technology

Half beam angle  $14^\circ$   
 Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and interior lighting as well as luminaire data in EULUMDAT and IES format are available on our website [www.bega.com](http://www.bega.com).

### Inrush current

Inrush current: 12 A / 24.2  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10A: 50 luminaires  
 B 16A: 50 luminaires  
 C 10A: 50 luminaires  
 C 16A: 50 luminaires

### Article No. 24 402

LED colour temperature optionally 3000K or 4000K  
 3000 K – Article number + **K3**  
 4000 K – Article number + **K4**  
 Colour optionally graphite or white  
 Graphite – Article number  
 White – Article number + **W**